From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: cmassey@onramp.net (Cleve Massey)
Subject: [1913] 6 MTR. FUN
Message-ID: <v02130400ad0719b82546@[199.1.154.34]>

Boy I hope the flames don't lick at my heels for this one!!!

Have you guys heard 6 mtrs. the last couple of nites...WOW!!!

Last nite the band openings went on for hours...at one time double hops for QSO's from end of the country to the other..and here in Dallas, we could talk either direction...

What a great band for QRP...yep, that's right...Last nite the station was a ten watt xmtr. into a groundplane about 20ft. in the air...We are always trying to fight the QRN and QRM on the HF bands...when 6 is open it can be like 20 only with manners and lots of bandwidth for anyone to move around and work stations like crazy...

Plus if you already have a HF rig like most of us do...then getting on six is easy...there is the line of transverters from DOWNEAST MICROWAVE...or the new TEN-TEC kit for less then a sawbuck...drive it with a couple of watts and you get a few more out...this is a band where CW is still king and the band plans are adhered to...if you want SSB look around 50.125...for CW 50.100 and keep tuning and listening.

This year HAMBREW is on the 6 meter bandwagon...plans lots of construction articles to promote using a band that might be one of those we could lose.

Plus you can turn on the 6 mtr. rig and just listen in the background...not interefering with the good stuff on 30 or 40 and when it opens up the speaker jumps off the table...

We seem to be a group that gets things done, takes a cause and runs with it. Hey if half the fun is using low power and making those solid contacts, then 6 is a great place to hang out...

I haven't tried signing QRP yet, but if there is another opening this week, I am going to give it a try...

Just wanting to vent a bit of frustration and at the same time delight with a band that is really exciting and a lotof fun when it is open...build something (or buy if you must)and let's look for a few of our esteemed ranks on six meters...

73...cleve/wd5bor   QRP ARCI #4019

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: ae865@rgfn.epcc.Edu (Alvin L. Hand)
Subject: [1899] Bagged AB5OU *Not* at Home!
Message-ID: <9512270322.AA23408@rgfn.epcc.Edu>

Well, thanks to the Gods that decided Tim, AB5OU, should travel to San Diego. My QTH is El Paso, TX and Tim lives in Las Cruces, NM, about 40-50 miles away. I have never been able to hear Tim on Fox nights, guess skip is too long for our separation. However, tonight I tuned to approx 7.111 Mhz and heard Tim calling CQ Fox about 15 minutes after his start time (191 (7:15 Mountain local). I had first tried a 40 M wire dipole then switched to a vertical when I found the vertical to be giving a much better signal. Got him on the first try, his sig was 559 with QSB. This is encouraging, since I had worked only one other fox this session. Happy New Year to all, 72/73.
Al AB5

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: ae865@rgfn.epcc.Edu (Alvin L. Hand)
Subject: [1904] Bagged AB5OU.....
Message-ID: <9512271159.AA25520@rgfn.epcc.Edu>

Lost part of my call on original post. Al, AB5TZ.

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: CQC@aol.com
Subject: [1929] CQC Meeting
Message-ID: <951227161225_24924882@mail06.mail.aol.com>

The regular meeting of the Colorado QRP Club will be held at 10:00 a.m., Saturday, January 6 at the Castlewood Public Library just off of I-25 on Arapahoe Road on the south side of Metro Denver.

We will adjourn to lunch at a nearby restaurant after the meeting.

Talk-in will be on 146.445 simplex and if available on the 147.225 repeater.

CU there. 72,

Rich W0HEP

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [1928] FD CONFIG. QUESTION
Message-ID: <9511278200.AA820097853@smtpgw.ccgate.dl.nec.com>

Folks:

OK. I've decided to put up that folded dipole for
40M this weekend (just in time for SKN, I hope).

Next question: Which configuration might be better -

a. Inverted Vee with apex about 40', but with legs
coming down in such a way so that the entire ant.
will be over my roof (shingles, etc.)

b. Sloper with high end at 40', feed point at about
20', abt half ant over roof, other half above real
ground, low end about 5' above ground.

I realize that neither of these gives an optimum
choice, however, for 40M these are about my only
options with my real estate crunch.

I'm hoping the FD in one of these configs. does
a better job than my random up about 30' for
40M.

As always, thanks for all your input, gang!!

72/73 de Dave KK5HA
QRP-L #25

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: kd7s@valleynet.com (Bill Jones)
Subject: [1902] For a good time call WSN-3558
Message-ID: <199512270406.UAA19321@sierra.valleynet.com>

If you'd like to have a good time on Wednesday evenings, why not check into the QRP ARCI WSN-80 net at 8:00 p.m. Pacific Standard Time (0400 UTC Thursday)? Conditions have been quite good lately so don't worry if you don't live in California. Listen for the net control station (usually Richard, KI6SN) calling CQ QRP WSN on or around 3558 kHz +/- QRM. Let's see what that 80 meter QRP rig of yours can do.

==========

Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com

==========

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: bobhigh@primenet.com (Bob Hightower)
Subject: [1939] FOX 12/26
Message-ID: <199512280136.SAA12554@usr4.primenet.com>

Well, I did hear the FOX last night, first time. Even though he seemed to fly right over my head, and didn't answer my call, it was fun to listen and try. I also heard several others in QSO with him, and one fellow, just above him, with a terrible chirpy signal that about wiped him out.

Thanks AB5OU for being the FOX, and all the rest of you foxii as well
73,
Bob KI7MN NorCAl #1228, qrp-ARCI #8918, qrp-l #271

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Steve Thompson <kj7dn@primenet.com>
Subject: [1911] Fox Rpt from Phx, AZ
Message-ID: <Pine.BSD.3.91.951227081958.2573C-100000@usr4.primenet.com>

Good Morning, Gang ...

Well, in chatting with a couple fellow hams hr in the PHX area, seems like we had no luck bagging the fox. We sure heard him! Gave several calls over a period of an 1 1/2 hours, but no luck ... did hear him work several "5" stations.

Thanks, Tim, AB5OU, for being our fox ... maybe I'll getcha' next time ...

73 de Steve


```
+-------------------------------------------------------------------------+
|                                    _________                            |
| Steve C. Thompson - KJ7DN         ____/____  E-mail  kj7dn@primenet.com |
| Comm/Network Administrator       ____/____           steve@cpginc.com   |
| Continental Promotion Group     ____/H___                               |
| Tempe, AZ, USA                       H                                  |
|                                      H                                  |
| 602.731.3535                         H       "Soon to be" proud builder |
|                                      H        of an OHR Explorer II     |
|                                      H        QRP-L #259                |
+-------------------------------------------------------------------------+
```


From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: jsbraun@vivanet.com
Subject: [1936] FS: Heathkit HW-9 w/ WARC $225
Message-ID: <9512271901.aa08171@vivanet.vivanet.com>

I have for sale a Heathkit HW-9 QRP Transceiver w/ WARC Band Kit installed.
The Transceiver is in excellent condition, and includes all manuals.
The Transceiver has a few mods completed (AGC mod, backlit dials, internal
speaker, and BNC output for Freq. counter)

I am asking $225 for the package.
If interested please E-mail or/ call me at (716) 367-9826.

Thanks / 72's

de Scott
      KB2GWF

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Dan Reynolds <bcdlr@slip.net>
Subject: [1901] FS:HW-8
Message-ID: <199512270401.UAA16267@slip-1.slip.net>

I have a mint HW-8 for sale with manual. It works and looks great. Trying
to raise money for another rig, please email best offer.
Plus, I am really green at this, can someone advise as the best method to
accept an offer, shipping, etc. over the internet. I've done good one time,
and bad another, so I am a little lost I would appreciate it. email:
bcdlr@slip.net

Peace+
Dan Reynolds, bcdlr@slip.net, KB9JLO

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: bfollett@ditell.com
Subject: [1937] Hotel Antennas: The DC Loop Construction article--Long
Message-ID: <199512280025.RAA18874@solar.ditell.com>

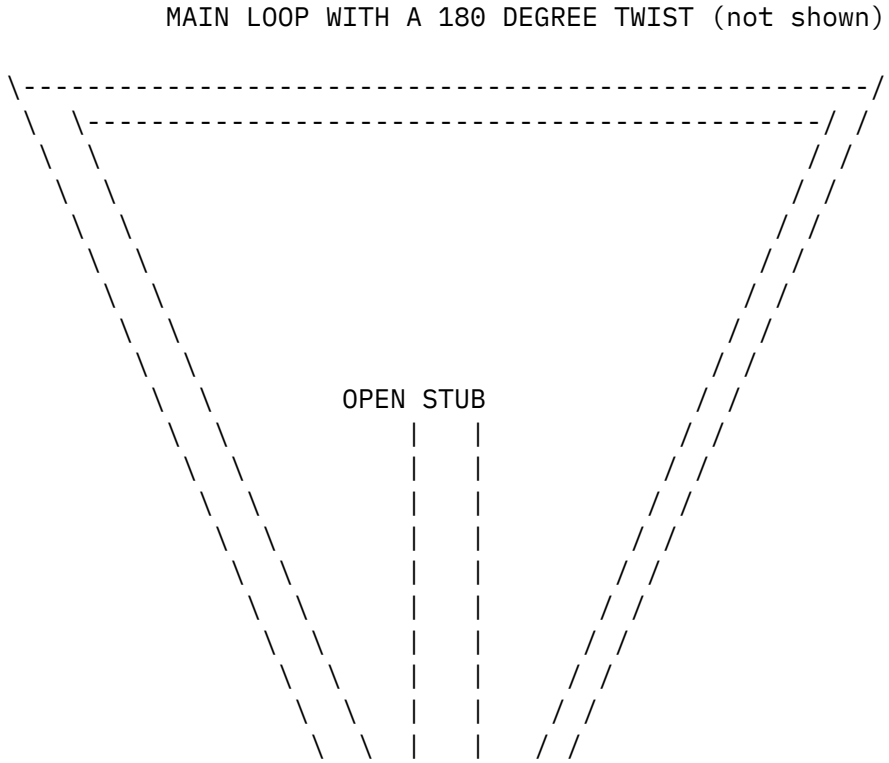
Ok Gang, I had many requests for building a Distributed Capacity Twisted Loop (DCTL):

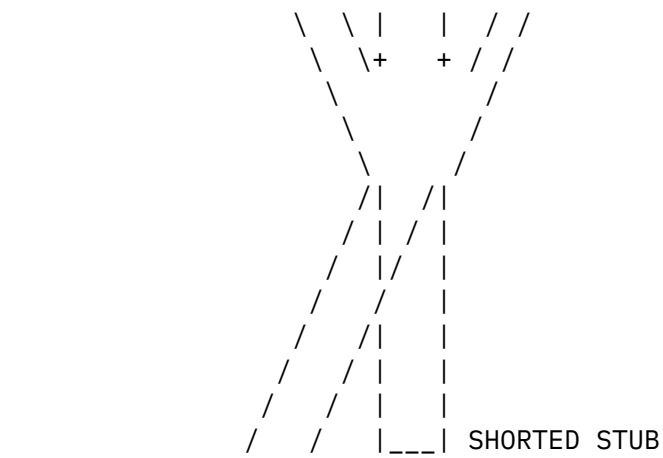
First: the design should be credited to Jim McLelland, WA6QBU. Two of his designs were published in 73 Magazine, Sept 93 and for 160M April 94.

WHAT IS IT:

A loop antenna, inverted delta shape, made of 300 ohm twin lead, which uses the capacitance of the twin lead to create a 1/8 wave antenna. That means for 40M, less than 6' per side, lending itself to sealed window hotel rooms, or similar in the field environments.

The hard part...an ascii drawing:





Note there are two versions of the antenna. One with tuner to extend bandwidth across the chosen band, and coax fed w/o tuner giving about 100khz bandwidth at reasonable SWR. Either way, this antenna is a great preselector to your receiver!

CONSTRUCTION:

Use R. Shack 15-1153 300 ohm TV lead-in or equivalent (the narrow variety...remember, this affects the capacitance, thus the dimensions.

Use the following table to cut the three antenna pieces. Add 1/2" at each end that will be stripped, twisted, and soldered.

DIMENSIONS WITH 300 OHM FEEDER LINE:

BAND	MAIN LOOP	SHORTED STUB	OPEN STUB (Note the Open stub lowers freq ~ 100khz)
2.0Mhz	51' 6"	13' 0"	24"
4.0Mhz	28' 0"	4' 6"	6"
7.3Mhz	15' 8"	2' 2"	1 3/4"

(Sorry folks, McLelland never published a formula, stating there is a lot of cut & tune required...extrapolate if you must)

To construct, cut away an inch or so of webbing at each end, strip 1/2" of copper, and twist everything together and solder/tape. Remember to put a half

twist in the loop piece. You can(Should) test for non-continuity in the loop sides or the feeder line BEFORE attaching the shorted stub.

So what's going on here? The feedline is attached to opposite sides of the loop ribbon, and the insulation between the two wires acts as a full length capacitor, lowering the resonant frequency.

TUNING: The shorted stub acts as a hairpin match adding inductance and lowering the resonant frequency. The open stub adds more capacity for tuning the resonant point in the band. Thus, a longer shorted stub lowers the resonant frequency AND impedance, a longer open stub just lowers the resonant frequency. The shape and placement of the antenna affects everything somewhat.

PLACEMENT: For indoor use, hang as an equilateral triangle with the apex and feedline down, and try to stay away from metal ...including those lovely hotel windowsills. Push pins seem to work fine, and the hotel would never notice :^)

Try to do most of your pruning using the open stub. (Anyone have a good idea of how to make a variable length one?) and if possible, use an MFJ or Autek analyzer for initial testing.

Yes, I know the 160M loop won't go inside...but you can tack it to the side of a house.

THE TUNED 50 OHM COAX FED VERSION:

I only have the adjustments for 40M: Use an open stub of 9", and shorted stub of 8 1/2", feed with the coax attached at the same point, use a balun if you wish, but McLelland said he couldn't tell the difference. To tune, clip 1/4" pieces off the open stub...again, keep in mind as the antenna is moved to a new environment, you may have to ADD to the length..hmmmmm.

I built this version two days ago, had no problems tuning it to 7040 with the Autek, and found it worked well in my hamshack...quiet, reasonable bandwidth around "our" frequencies, but also found that just moving to another wall moved the resonant point up 50khz, and the impedance went up to 65 ohms from 55, so it is sensitive to it's placement--not a real problem outdoors, of course. (It hears about 1/2 S unit below my 40M full wave loop on the roof at 20'.)

A FINAL NOTE:

The antenna doe have a null on either side, and McLelland mounted the 40M version on a tripod to rotate it thus knocking down the commercial broadcast stations.

That's it. If you are confused, send me an e-mail and I'll try to clarify what I know. So how about some tests and feedback? I haven't tried it in a hotel yet, but will next time out.

73, Bob WA7FCU

Bob Follett
Park City, UT 84060   Home Office E-mail: bfollett.ditell.com

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [1942] HW-8 for sale
Message-ID: <9512280222.AA17791@wizard.ucs.sfu.ca>

Hw-8 with rit and additional active filtering. Power supply HWA-7-1 included
First $140 takes it or best offer.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Nick Franco <kf2ph@bnl.gov>
Subject: [1921] Me and My Pixie2
Message-ID: <9512271734.AA17036@bnlux1.bnl.gov.bnl.gov>

Hope Santa was good to all the gang here. Lots of qrp stuff or just radio stuff I hope.

Anyway, been playin' around with my Pixie2 again. I powered it with a 12vdc battery and get a little more out of it. I don't have an accurate power meter but I know the needle is showing more out than on the 9vdc battery. I should probably build a little watt meter or something and calibrate it for 1-5 watts.
I have been trying like crazy to get some kind of offset into this rig. It's really a strain to work people when their tone is almost on zero beat. I put a variable cap in line to bend the freq. a little. I try to move down a little to receive and back up to transmit (what a bother). Every so often I get caught offguard with a BK reply and have to get back quick to transmit. I usually try to sign with each turnover when working at a watt or less so the other station still knows it's me, in case of drift or qrm, etc. I made another Mass. QSO last night after getting skunked by the Fox again. The night wasn't a total loss. This Fox hunt stuff has help my DX country count. I get so frustrated not working the Fox at 4 watts, I go down to the DX hangouts and snag a couple of pileups at 50 - 100 watts just

for the heck of it. (sorry for the tangent).

Doesn't anyone have an idea how to get an offset in this thing. I tried adding a cap .01 uF on the receive side and the transmit side. Because the oscillator is running all the time and used for both rx and tx it's tough to figure out what to do. I have a very serious learning dissability with this electronics stuff anyway. I'm still having fun though; that's the main thing.

Maybe see you on 30. It's time to crank up the SW-30 again (I can feel it).

72 es Happy New Year All,
Nick

-.. .   -.- ..-. ..--- .--. ....   --.- .-. .--.   ...-.-   . .
Nicholas J. Franco |\/| ____ Brookhaven National Laboratory
Sr. Systems Specialist .__.. \   /\ / Building 1005   Room 201
Tel: (516) 344-5467   _   /__/ \/   UPTON, N.Y.   11973-5000
Fax: (516) 344-3674   _/QRP-L#13_/
Email: kf2ph@bnl.gov   /___/____/   Ham Call: KF2PH   NE-QRP#349

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: dgf@netcom.com (David Feldman)
Subject: [1943] Milliwatt Mizuhos
Message-ID: <199512280225.SAA19551@netcom2.netcom.com>

Just made my first contact on 1/4 watt 10M SSB with a little Mizuho MX-10 HT (and a beam...) Just wondering if anyone else on the list uses these Mizuho QRP rigs (they were made for 15, 10, 6 and 2)? Much fun to take a 9 volt transistor battery, feed it thru the radio to the antenna, and communicate over 1000 miles!

73 Dave WB0GAZ dgf@netcom.com

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: NYOUNG@nova.wright.edu
Subject: [1931] More commie hypnotist radio blather & 1.75 km stuff
Message-ID: <01HZB6GQOOHU8X3FPG@nova.wright.edu>

I spent the day trying to keep from looking too bored about

trying to look busy. It was fun. I almost bagged it in once or so, thinking that I'd be better off at home, winding big coils to hang in the outhouse-turned-radio-shack attic. Instead I lasted the day and then stopped at my favorite junk collector's digs on the way home. Beavis works there. Sometimes. (Seriously, it's Midwest Surplus Electronics, 501 West Main St, Fairborn, OH 45324, (513) 879-2250. They have transistors, replacement stuff, weird inductors, transformers, cable, old terminal strips, perf board, boxes and all the other accoutrements of fine radio junk collecting.) This time I got a bunch of Ls that might work in a transmitter for VLF, some other stuff and a couple xtals which, after doubling, will put me a signal out around 185 kHz.
I'll be winding the extra link on the big motha coil tonight, typing up a letter to the LWCA and getting my act together to face the morning later on. Busy busy busy, aren't we?

And I'll be listening around on 30m for kicks. So there, Iain't quite given up on HF QRP just yit, see?

73
Nils
WB8IJN

And if anyone knows the address of the person running the XJ beacon on 1.75 km, please to let me know.

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1906] More Stats QRP-L
Message-ID: <199512271309.NAA04351@chuck.dallas.sgi.com>

Gang,

You knew it if you've been here since the start in April '93.

Year	Lines	Words	Bytes	
93	130,316	812,044	7,836,891	
94	270,412	1,681,551	10,396,937	
95	459,446	2,999,127	20,257,910	(up to Dec 26)

The amount of information generated by this group alone will

take about 6,000 pages at 80 lines per page in size 8 font.

Unless we run out of things to talk about, 1996 should be
an interesting year.

dit dit es hpy nw yr
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Michael Connor <mikec@primenet.com>
Subject: [1925] Nabbed the Wiley One
Message-ID: <199512271840.LAA14051@usr2.primenet.com>

 Gang,
 Picked up fox #4 (or is it 5?) last night thanks to KC7NEV calling
and reminding me what night it was, thanks Joe. Sounded like
Arizona was well represented last night with at least 3 of the
AZ. ScQRPions working the FOX that I heard. I forgot to sign
/M Tim, ran the Norcal 40A off a Hamstick outta the Jeep.
You were solid into Phoenix, best band conditions I've heard in a
week or more.
 May the New Year bring everyone much Qrp happiness,
hope to work you all on SKN...
72,
Mike
NQ7K

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: VHatley@aol.com
Subject: [1922] New Kid on the Block
Message-ID: <951227125410_79599415@emout04.mail.aol.com>

Hello all,
   I'm a new member here; QRP-L #325; so thought I'd introduce myself.

KK5R0 (Extra)
Vernon A. Hatley
QTH is Shawnee, OK
Current rigs in use: Oak Hills Sprint (30m) & Oak Hills Explorer (30); both
QRP rigs are borrowed from friends, and my QRO rig is a Ten Tec Century 21
running 25 watts. That's it, no 1000 watt amp here or even 100 watt rig. In

fact I don't even own a mike; work CW only.

Only been a HAM since May of this year, but I have already fell in love with QRP work. I have two questions for someone to answer for me; e-mail direct if you would like.

1. I read somewhere in this thread about a group purchase of the new Explorer II at a discount; when? Santa Claus brought me money that has NEW QRP RIG written all over it. Do I order direct from Dick and tell him my QRP-L # or do I order thru the club here online?

2. Which band; 40 or 30? From the play time I've had with my friend's Oak Hills on 30; I really like that band a lot. But alas, there are no FOX to chase on 30 :(It seemed to me QRP was pretty easy on 30; I always made a contact anytime I tried; including three DX stations within a two day time. I've been told QRP is harder on 40; is that true? What band is the most popular for QRP activity?

OK, I know, that was more than two questions, give me a break, I'm a newbie.

PS I did hear the little FOX last night on 7.110, Dec 26. But, unfortunately just as I was about to answer, "Voice Of Amercia" broadcast wiped 40m out for the rest of the evening. Oh the joys of a DC receiver. Do I get half a point for hearing him? ;)

TNX in advance for the help.

72/73 KK5RO Vernon

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Dan Reynolds <bcdlr@slip.net>
Subject: [1900] Novice/Tech+ Foxhunt?
Message-ID: <199512270401.UAA16274@slip-1.slip.net>

Was anything decided on a novice/tech+ fox hunt? Heck, I think it would be fun without any prizes. I just need the practice. And I'm a little fearful at times, (whether that makes any sense or not).
Seasons Greetings!
Peace+
Dan Reynolds, bcdlr@slip.net, KB9JLO

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: JessQRP@aol.com

Subject: [1933] OHR 400 "Narrow" Filtering.
Message-ID: <951227181849_25022898@emout04.mail.aol.com>

I noticed that there was a mod on the list to increase the width of the filter if on the 400. O too have noticed that the radio is a little tight. I have also noticed not much action from the AGC at all, not much difference with it switched in or out. Myquestions are this to the list.

1. Have other 400 users noticed this lack of or low level action from the AGC circuit?

2. Instead of switching out the IF filter, how hard would it be to incorporate a variable width band pass filter ala the Explorer II? A small add in board would be no problem as the 400 has PLENTYof internal real estate.

Any ideas?
Best in 96
Jess N0TFI

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1916] Openings
Message-ID: <199512271634.QAA04682@chuck.dallas.sgi.com>

Gang,

Every once in a while I get email from someone saying that I should stop talking about QSOs using one watt. It gives the impression that it is easy. Sorry if I give that impression to anyone. I just want to illustrate that it can be done and it can be done with patience and constant listening and calling into the either with noone coming back. Gives you time to think about the next rig or whatever. I hear guys on the air that need the practice. In the last day I've heard a number of stations calling CQ but getting no answer simply because their keying was bad or their rhythm was terrible. I thought about calling them, but they weren't going to listen to me. :-)

The point, you gotta spend a lot of time listening and tryin at any power level below 5W. Also do me and everyone else a favor. Call CQ CQ CQ de CALL CALL CALL K. No longer than that. A one minute to two minute CQ will get you nowhere. Maybe a pileup, but most likely not. Irritates a lot of people. Listen listen listen. Oh, did I say listen. Don't turn around

in two seconds and start CQ'ng again. Someone's cranking the dial down to you so be patient.

Well, let me tell you that the past couple of weeks have been dismal as far as propagation goes on 30M and 40M. I know 'cuz I been there and I done that. But it looks like this week may be a winner, so let's all get back on the air.

Noone gets to post unless they work one station on the air and you are running 5W or less. :-)

Last night I turned on the Explorer II on 40M to see if I could hear Tim, AB5OU, do his round as the fox. I had logged into the computer system here at work to check the tons of email and see if anything was going on. Sure enough someone had posted they got Tim about an hour earlier. Oooops. I gotta get these times written down in front of the rig. I'm an hour late and a dollar short.

Turned the magic dial over to 7.040 and sure enough I hear him working someone, but there is a lot of activity nearby, in fact real close. But what the heck, I'll give him a single call and see if I'm getting out. Yep, it is easy. Tim had good ears and he gave me a 339. I gave him a 539, but he was probably more like 549, but I can't give someone portable a better signal report now can I? :-) :-) I was so excited that I just repeated what he sent. So Dallas to San Diego on 0.95W. Not shabby.

Someone else called him at the same time I did (QSK is the only way to go gang) and I was scared that I'd lose out to someone that was definitely loud in Dallas. Goes to show you.

I was up early this a.m. and worked Cuba and then worked Smitty, N5AK, line of site and he passes by the east side of Dallas on his daily commute. Caught him at more than 5W, but that's OK. I've worked him with his NorCal 40A mobile and anyone that does that has my admiration and awe. This was about 7 a.m. and already the GC-1000 had locked onto 10.000MHz, so my guess is that 30M will be open this week some, unless this is just a short opening. We gotta remember that the sun has gone as far south as it can and it's coming back to the northern hemisphere and will be half way here in March.

Days will be getting longer and hopefully the higher bands will open up some more. We're still a couple of years away from any significant solar activity that will really help us above 30M, but we have to be vigilant and ever watchful.

To Lee in RI, if you stop the boycott from TX to RI, we'll see about

letting you work the fox. :-) :-)

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Mark E Gustoff <Mark_E_Gustoff@ccm.ch.intel.com>
Subject: [1944] QRP+ 4-Sale

I'm offering up my QRP+ transceiver from Index Labs to free up some cash
for some interesting projects I'm desiring to build. The transceiver is
A-1, and shipped to first responder in the lower 48 with M.O. to me for
$525.00.

73,
Mark Gustoff
2318 W. Harrison St.
Chandler, AZ 85224

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1926] SKN
Message-ID: <199512271850.SAA05139@chuck.dallas.sgi.com>

Reminder that New Years Eve is Straight Key night. I don't
have a QST here, so someone post the info.

Tell you what, I'll dig out the old J38 and practice (off the
air) and I'll be there on 40M. Will try to not lubricate the
key with alcohol as suggested by Nils. I'll probably sound
pretty rusty anyway.

I think I'll set up a rig on the dummy load and record a
paragraph sent from the newspaper and then later play it back
and see if it's something that I can decode. :-) Let's
load up the band from 7.025 to 7.045MHz. Everyone sign /QRP
if you are QRP. They'll think it's a conspiracy.

Start your collection of qrp-l numbers. Be there - be square.

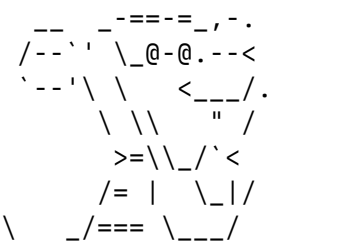
dit dit

OH, 80M is fine too. I'll have to dig up the NE-80 and see
if it'll load the 90' noodle.
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: JUSTIN RAINS <RAINS@nku.edu>
Subject: [1938] want easy to build hf xmitter
Message-ID: <01HZB395K5PECXQ2OX@NKU.EDU>

Hi all. I was wondering if anyone knew where I can get plans for an easy to build hf (any band) transmitter? I don't really want a kit, I would rather start with just the schematics and build from there. Any help is greatly appreciated.

Justin AA9KM



Justin Rains	Have
rains@nku.edu	a Day!
http://www.nku.edu/~rains/	

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: NYOUNG@desire.wright.edu
Subject: [1907] Re: 1.75 km sigs
Message-ID: <01HZAMBDFVYQ8ZQAFT@desire.wright.edu>

Well, that was interesting. I got four responses to my VLF experience report, each of which was positive and interesting. Most importantly, two respondants said that the beacon (or whatever) that I heard was from a guy here in Ohio. Some people.

Like we have good ground conductivity or something.

Anyway, this looks like the next madness. I'
ve already figured a way to mount the coil on the wall near
the antoona holes and put the entire circuit up there with it.
Power will come from one of many power supplies. Don't know
about the keying system yet. Would like to have a simple beacon
repeatable setting with hold for a QSO keying set. We'll see.

What came to mind this morning as I munched breakfast was
using an LM380 as the power amp. I could control the drive with
an input pot and tune the buffer output with an audio transformer.
Since I already have the coil wound for the output, I'm not
eager to spend money on a kit. Surely enough junk around this
dump to put something together out of scraps.

In the meantime, the order to CW Xtals is in the mail. Those
loony enough to join the fracus will find me fooling with
rf that measures wavelength in portions of a mile. Hi ho.
(And by the way, when I was a kid, I used to run a bcst band
transmitter that I'd cobbled together on a chunk of perf board.
Worked pretty neat too: the kid down the street could hear
me, as could other kids around the neighborhood. None of us
had licenses. We just fooled around. As if having a license
implies rationality.)

See youze on da air, dude.

73
Nils
WB8IJN

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: rohrwerk@netcom.com (John Seboldt)
Subject: [1903] Re: 1.75 km sigs, low power loonies & marxist dialectics
Message-ID: <199512270501.VAA07325@netcom7.netcom.com>

Thanks for the capsule summary of 1750 meter LOWfering. I have also heard
of similar operations in the 1600-1700 kHz region, but on asking about
the legal basis of this on an LOWfer Fidonet group, I got no answer. Who
knows about this region? (Of course, it will soon be propagated with an
extension of the AM broadcast band :-( )

: John Seboldt rohrwerk@netcom.com / CW: It don't mean a thing
:   K0JD... Minneapolis, MN   / if it ain't got that swing!

:   My R2/T2 station described in / Di dah, di dah, di dah, di dah...
> http://www.lehigh.edu/lists/qrp-l/k0jd/index.html <

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Dave Hockaday <wb4iuy@nando.net>
Subject: [1905] Re: 1.75 km sigs, low power loonies & marxist dialectics
Message-ID: <9512271217.AA26503@merlin.nando.net>

>I heard a signal on 183.9 kHz at about 0100 UTC calling XJ XJ XJ
>XJ XJ. So I quick got the wires hosed up to put the high side of
>the secondary on my wire antoona and listened again. The whole signal
>went like this CQ CQ CQ de XJ XJ XJ .... CQ CQ CQ de XJ XJ XJ. Then
>after another cycle of this beaconesque stuff, a K. And since my TR7
>transmits from DC to 30 MHz, I quick sent out the reply XJ XJ XJ de
>JN JN JN K. And no response. But what the heck, I had .225 V of
>RMS RF going out the wire. What's that at 50 Ohms? A microwatt?

Cool...you obviously have a lowfer in your area. Not many of them...Myself WB4IUY (IUY) and Kevin KT4BN (BN) are on 166.667here in central NC. No one else that we can find...We regularly work across about 30 air miles, with about 250mw output to our 50 foot antennas. We work mostly CW, but we run music on AM phone for our own beacon experiments. There is a ham in the western part of the state, but we have not heard him yet.

>Now the question remains: Who the hell is XJ? Where is this person?
>What kind of madman would send CQ on the 1.75 km band in the middle
>of the winter? Did he really expect a call? Did he even hear me?
>Why am I asking all these questions? Why don't you answer? Huh?

Actually, much like 160, atmospheric noise is lower in the winter months. He probably didn't hear you, or he probably would have responded in excitement. Many lowfers use antenna like yours with rx preamps for low noise reception, but transmit on the full legal size antenna of 50 feet with the TX mounted at the base of the antenna (at the feedpoint).

> Now to get my crystal order together for CW Xtals
>(including, of course, a order for a 1.75 km band xtal), build up
>an osculator what'll run it, plus a buffer amp and a final amp that
>will only run 1 watt input to a 50 ft max antoona.

We built our tx's from 10 mhz computer clock modules salvaged from some old computer boards. A simple divider of 60 plopped it right on 166.667 khz. A buffer stage and them a 250mw amplifier and we were on the air. It's high level modulated for AM phone, and we key the 250 mw stage for CW. Works FB.

We're gonna build a couple of 1 watt amps after the first of the year and BN gets settled into his new home.

Happy New Year and FB lowfing!
de Dave Hockaday WB4IUY
wb4iuy@nando.net

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: joe@westonia.com (Joseph Cooper)
Subject: [1935] Re: 1.75 km sigs, low power loonies & marxist dialectics
Message-ID: <m0tV5Dd-000iAUC@gpu2.westonia.com>

>Thanks for the capsule summary of 1750 meter LOWfering. I have also heard
>of similar operations in the 1600-1700 kHz region, but on asking about
>the legal basis of this on an LOWfer Fidonet group, I got no answer. Who
>knows about this region? (Of course, it will soon be propagated with an
>extension of the AM broadcast band :-( )

These are the 'Medfer' group and under the same rules (1 watt input and 50 ft total Antenna length). Their activity is identical and they also run beacons as well as point to point contact. Some also operate in the 510 to 530 Khz region.

The Longwave Club of America also covers this activity and lists beacon activity.

==
* Joseph Cooper-VE3FMQ QTH-East York-near Toronto Ontario Canada *
* Interests are:-Lowfer/VLF/BCB Radio-Woodworking-Steam Railroads *
* -Nikola Tesla-Antique Radios-Crystal Radios-Travel-Burmese Cats *
* FAX (416) 423-7782 9:00pm to 5:00pm EDST Monday To Friday Only *
==

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: H Smith <hbs@crl.com>
Subject: [1923] Re: 6 MTR. FUN
Message-ID: <Pine.SUN.3.91.951227094030.10778A-100000@crl4.crl.com>

Cleve,

What time in the evening?

Smitty, NA5K

Henry Smith (hbs@crl.com)

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: james@research.nj.nec.com (James Bennett)
Subject: [1927] Re: 6 MTR. FUN
Message-ID: <9512271910.AA07284@shakti.nj.nec.com>

Yes, 6M was definitely open last night from at least 6 to 8 PM.
I noticed that the lower TV channels were almost completely
wiped out by multiple station interference. I bought a receive
converter for 6M at a hamfest last summer. It is an Advanced
Receiver Research model R50VD and converts 6M to 10M receive.
I wasn't even sure it worked as I had previously heard no
signals when I tried it. I went upstairs to the radio room
and connected the converter in line to my Yaesu FT301S. Tuned
to 10M and immediately heard signals some at 20 over S9. I
heard strong stations in FL and GA and several other areas.
Antenna was my 30 ft vertical.

Question: Does anyone know if Advanced Receiver Research is
still in business? If so does anyone have and address for them?
Or does anyone have documentation on this converter that they
would be willing to make copies?

Fox: Have bagged only one fox (my first attempt) am 0 for 7 attempts
since then. Propagation has apparently been poor into NJ especially
on Fox nights. Usually hear people working the fox but not the
fox. I am almost frustated enough to hook up the mobile rig and
drive to the next fox location(at least for ones on the east coast).
So to the foxes, if you get a reply at 599 +60 please wave as I
will be nearby.

Thanks and Happy Holiday season to all

James Bennett
Amateur Radio: KA5DVS/2 (yes I am in NJ)
email james@research.nj.nec.com
NEC Research Institute
Princeton, NJ

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: markem@primenet.com (Mark Monninger)
Subject: [1930] Re: 6 MTR. FUN
Message-ID: <199512272226.PAA01217@usr3.primenet.com>

At 10:50 AM 12/27/95 EST, Cleve Massey wrote:
> ...
>Have you guys heard 6 mtrs. the last couple of nites...WOW!!!
>
>Last nite the band openings went on for hours...at one time double hops for
> ...

Ohh mannnn...and here I am with a half-built Ten-Tec 6M transverter kit.
Guess I better warm up the iron and get busy...

Question...will a vertically polarized antenna (i.e. a ground plane or
J-pole) be a problem wrt cross polarization losses? Or would I be better off
with a dipole for now?

C U on 6...   Mark   AA7TA

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: H Smith <hbs@crl.com>
Subject: [1932] Re: 6 MTR. FUN
Message-ID: <Pine.SUN.3.91.951227143212.1201A-100000@crl10.crl.com>

On Wed, 27 Dec 1995, Mark Monninger wrote:

> Ohh mannnn...and here I am with a half-built Ten-Tec 6M transverter kit.
> ... etc ...
> Question...will a vertically polarized antenna (i.e. a ground plane or
> J-pole) be a problem wrt cross polarization losses? Or would I be better off
> with a dipole for now?
>

For this skip stuff it doesnt matter.

The only problems that you will see with X-polarization is with your local
line of site contacts.

Have fun,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: scicior@cp.mnet.uswest.com (Steve Ciciora)
Subject: [1914] Re: ?? on flying with qrp rigs and hotel antenna's
Message-ID: <9512271555.AA15919@sp5-316.nts.uswest.com>

> 1. The company I work for has promoted me (I think) to national sales
> manager. My territory has expanded from the NYC area to most of the US and
> Canada. I would like to take my rig with me. However, with all this extra
> security at the airport, I don't want to be delayed by inquisitive security
> people at the terminal. I never check by baggage so anything I take, I carry
> on the plane. Should I expect any problems?

I have done stuff like travel to New Zeland with nothing but electronics
in my carry ons (no clothes) with out any problems. Recently (last week)
traveling from Chicago to Denver, I carried on a O'scope, luggable VCR (battery
powered), and a box of misc. electronics, wires, etc. The only problem I have
ever had was when the security guy/gal sees something without a power cord,
he/she wants to turn it on to see if it is not a bomb. This goes for beepers,
cell phones, camcorders, laptops, and in this case, my dead VCR that had no
batteries or power cord. I also had a problem once when my laptop batteries
were dead. After realizing that it would be a hassle for them to make me
charge it up, they let me go. Thinking about it though, they never asked
me to turn on my HT. Your Milage may vary...

> 3. I would like to take this opportunity to wish all my fellow QRP-L'ers the
> best of season's greetings and a healthy and happy new year.
> May all your QSO's be 5-9 -(9) +
> May all your home brew (built) projects work the first time

  What fun would this be? :-)

> Regards,
> Peter N2KPY
>
>
>

Steven Ciciora KB0PJF

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: "Taylor Greg" <GTAYLOR@ag-eco.tamu.edu>
Subject: [1919] Re: ?? on flying with qrp rigs and hotel antenna's
Message-ID: <16C36873B90@ag-eco.tamu.edu>

> Thanx agn for the info. It seems to me that rather than using a random length
> of wire out the window with a counterpoise, wouldn't it make sense to make a
> half wave antenna connected to some sort of impedance matching transformer? A
> half wave antenna does not require a counterpoise and it would seem to make
> things simple. Also, can you use the ole MFJ antenna tuner to match the
> impedance? The only problem I can see is changing the length of the antenna
> when changing bands. I am sure there is more to this.
>
> Thanx again.
> Peter N2KPY
>
If I recall rightly, assuming center-fed is not possible as in most
hotel situations and end-fed is used that is a voltage point making
some sort of ground highly desirable....however, in one situation I
did use center-fed wrapping the two legs around the balcony in
various configurations and it seemed to work ok....of course I was
also in 8P6 so that added a few db to the signal I believe...

Greg KD4HZ

****
Dr. Gregory S. Taylor   !MAIL: 110 Dairy Science Building
Extension Program Leader for   !   College Station, TX 77843-2124
  Community Development   !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System   !EMAIL: Reply or g-taylor4@tamu.edu
****

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [1915] Re: ATTN QRP+ W1AW TRBL IS FIXED
Message-ID: <199512271631.LAA32242@dartvax.dartmouth.edu>

Hi Bob.
It was on the repair order,but a call to Index might tell you.

73 de AA1IK
Ernie

>How do you determine what version you have?
>
>72, Bob KI0G
>>
>END
>
>Bob Cutter, ...Glenwood Springs, CO
>
>KI0G
>
>bcutter@teal.csn.net
>
>
de AA1IK   N.E.-QRP-C. # 202   (Lead by example, It is better to   )
                  QRP-L member #95.   (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: scalawag@ids.net
Subject: [1908] Re: Bagged AB5OU
Message-ID: <199512271334.IAA56192@nss2.CC.Lehigh.EDU>

Gang,

Saw only the one message on the Fox this morning so
far. Sounded like the band was long. Anyone else
even hear Tim?

Thought I would give a listen last night as few of

the other closer stations are even heard. Lo and
behold, there he was on 7110. San Diego to Newport,
RI!!

Tim, you were no stronger than 339 and often fading
completely out on 7110 around 0240-0250 GMT. I
answered the CQ a few times and around 0246 heard
several question marks sent. Did you get any part
of a call? (Looking for a partial here, gang!)

I don't recall the setup/power there but I think it
was supposed to be either mobile or a stick antenna.
At any rate it was working pretty well one way for
that distance and the band condx.

Still foxless but things are looking up.

72, Lee W5TEH

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Ed DeBuvitz <edeb@indirect.com>
Subject: [1909] Re: FINALLY ... First QRP QSO!
Message-ID: <Pine.BSD/.3.91.951227072439.2243A-100000@bud.indirect.com>

On Sun, 24 Dec 1995, Steve Thompson wrote:

> Happy Holidays ...
>
> Well, after what seems like days of chasing those CQ's, I FINALLY made my
> first distant QRP contact.

Was a pleasure Steve. That 3 watts was s 9 on the meter. I'm still
foolinbg with an antenna that'll get out past Arizona on 40.
Cuagn soon...
72--73..
Ed W5TTE

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: WJ4PRandy@aol.com
Subject: [1910] re:OHR400 IF mod
Message-ID: <951227093845_99961287@emout06.mail.aol.com>

One point I probably didnt make clear...

The "blow-by" I referred to was only present when the filter was
in "bypass" mode. With the filter "normal" (circuit off) the radio
operated normally - that is- the filter works like stock.

Hope that helps...

Randy WJ4P

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [1924] Re: Openings
Message-ID: <Pine.SUN.3.91.951227112853.29241B-100000@ume>

Chuck has some good points. I have tried to catch the fox at least 10
plus times this season and have yet to hear him! I have heard people
calling him however. My point: many times before giving up I give a CQ
myself with my 0.95 watts and I have had many, solid qso's for the next
half hour. Usually on 40 this means CO, CA, NV, NM, UT from this qth.
So, even if the fox can't hear me (and me, him) I know others can and
have been amazed how often this happens. BTW antenna is inverted vee
favouring south.

72 in 96

Dr. Rick Zabrodski BSc, MD, CCFP(E)   *   VE6GK
Clinical Assistant Professor   *   NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [1912] Re: QRP Antennas for 20 and up
Message-ID: <Pine.SUN.3.91.951227084026.28045A-100000@ume>

> For 20 and up, where a dipole is only about 35' long, consider a dipole
> of tubing that you can rotate up to 90 degrees. That will get you
> broadside to your target, wherever in the world he or she is.
>

> Obviously, a beam and electric motor rotator are better, but not by as
> much as you think. Of course, you can always put up two or three wire
> For most cases, the null off the end of a dipole is deeper than almost
>
I could not agree more. My full sized 20 meter 3 element monobander on a
20 foot boom has phenonemal F/B and side rejection but in reality only an
S unit of forward gain compared to a dipole AT THE SAME HEIGHT. I had a
rotatable shorten 40 meter dipole up at 65 feet for a couple of years.
Despite the electrical shortening etc it was always 1 -2 s units better
than a forty meter inverted vee with apex at 55 feet. Why? Because it was
all up at 65 feet (the average height of the vee was likely around
45 or 40 feet.....closer to the ground, roof, trees etc. There was a
consistent 2 s unit null of the ends of rotatable dipole (inverted vees
tend to be more omnidirectional when low to the ground)

If time and space permitted, I would rather have 3 elements (dipoles) at
33, 66 and 99 feet with the ability to switch and/or phase them rather
than a 3 element yagi at 66 feet.

Dr. Rick Zabrodski BSc, MD, CCFP(E)   *   VE6GK
Clinical Assistant Professor   *   NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: [1918] Re: QRP kits; UNBIASED, complete summary needed
Message-ID: <v0213051ead0725500109@[129.74.35.16]>

>A few postings on QRP-L lately have dealt with variations on the question,
>"what QRP rig/kit should I buy?"
>
>There are web sites with much info on particular rigs, magazine articles
>that review one, two, or three rigs, etc. But is there a comprehensive
>summary/comparison of ALL the kits AND all popular used/new/classic
>commercial QRP rigs out there somewhere? This would be very helpful,
>especially for those who are new to QRP.

Interesting. This is what I tried to achieve with the QRP equipment catalog
on http://qrp.cc.nd.edu. I don't have all the data on all rigs. I have
encouraged people to send me information that I could publish, but very few
have done so.

Steve Hideg Macintosh Consultant/Analyst

Office of Information Technology Telephone: (219) 631-3926
University of Notre Dame URL: http://www.nd.edu/~shideg/

Ho

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: ROWLETT_D@hccs.cc.tx.us
Subject: [1934] RE: Re: 6 MTR. FUN
Message-ID: <8116201727121995/A01751/ADMIN/119CDC500B00*@MHS>

Chuck:
     On 6 SSB & CW you will be better off with your dipole, since desepite hops and polarization inversion, starting out the the same polarization everyone else has gives you a better chance. I've compared both and found the dipole at the same height gives consistently better results. On FM, of course, you might assume many folks are running mobile and are therefore vertical, but a lot of guys are also tuning up into the FM portion and using dipoles or running mobile with squalos and other weird antennas, so try what you have and go with what works best (always the best advice, eh?).
     73, es gd DX,

     Doug, WB5IRI
     rowlett_d@hccs.cc.tx.us
     http://www.hccs.cc.tx.us/swc/htmls/rowhtml/paradox

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: N5EM@aol.com
Subject: [1940] Re: want easy to build hf xmitter
Message-ID: <951227204148_100398321@emout04.mail.aol.com>

In a message dated 95-12-27 19:47:13 EST, you write:

>   Hi all. I was wondering if anyone knew where I can get plans for an
>easy to build hf (any band) transmitter? I don't really want a kit, I would
>rather start with just the schematics and build from there. Any help is
>greatly
>appreciated.
>

>Justin AA9KM
>
>

Justin,

Hard to tell exactly what you are looking for but the ultimate source for schematics from which to start are several ARRL publications.

1. _Solid State Design for the Radio Amateur_
2. _W1FB's QRP Notebook_
3. _QRP Classics_
4. _W1FB's Design Notebook: Practical Circuits for Experimenters_

If you are interested in building radio equipment and, expecially QRP equipment, this is the beginning of an excellent library.

Of course, I haven't even mentioned the incredible quarterly newsletters of the various QRP clubs around the country.

There you are. Get a book. Get some solder. Get going!

72/73 from Houston, Texas
Ed Manuel, N5EM
n5em@aol.com

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: kd7s@valleynet.com (Bill Jones)
Subject: [1941] Re: want easy to build hf xmitter
Message-ID: <199512280149.RAA19950@sierra.valleynet.com>

Hi Justin,

> Hi all. I was wondering if anyone knew where I can get plans for an
>easy to build hf (any band) transmitter?

Check out the article in QST, October, 1994 by Robert Capon. It is called, "Build a One-Watt Transmitter in a Kodak Film Box." They don't come much simpler than this and it will give a good account of itself. Hope this helps.
==========
Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com

==========

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: bfollett@ditell.com
Subject: [1917] RE: Worked the Fox
Message-ID: <199512271631.JAA10308@solar.ditell.com>

Since Tim can't post his Fox results for a few days, I'll point out that he was booming into Utah last nite towards the end of the hunt and I had no problem working him.n

Also heard him quite well on my indoor DC loop, and was going to try to work him again, but waited until after 0400 UTC...unfortunately, he was gone immediately.

73, es Fox # 5 in the bag. Bob

Bob Follett WA7FCU
Park City, UT 84060   Home Office E-mail: bfollett.ditell.com

From qrp-l@lehigh.edu Wed Dec 27 21:16:42 1995
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [1920] Re: [1869] Re: ?? on flying with qrp rigs and hotel antenna's
Message-ID: <199512271727.JAA07901@netcom6.netcom.com>

Since Lockerbie, they don't like it if you pack battery operated electronics in your checked baggage. I've never had any trouble, even on international flights, even during "heightened security". The only time I was asked about my HT was by a security person who'd just been licensed and wanted to know details of the new HT I was carrying. It was an IC-32, so that shows how long ago that was. 73, doug
73, doug